

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An elevator rope slippage detecting device for detecting presence/absence of slippage between a rope that moves together with a car traveling in a hoistway, and a pulley around which the rope is wound and which is rotated through movement of the rope, ~~characterized by~~ comprising:

a pulley sensor ~~for generating~~ configured to generate a signal in accordance with rotation of the pulley;

a car speed sensor ~~for directly detecting~~ configured to directly detect a speed of the car based on a frequency of an oscillating wave received from a reflecting surface on a side wall surface of the hoistway; and

a processing device ~~having~~ including a first speed detecting portion ~~for obtaining~~ configured to obtain a speed of the car based on information from the pulley sensor[[;]], a second car speed detecting portion ~~for obtaining~~ configured to obtain a speed of the car based on information from the car speed sensor[[;]], and a determination portion ~~for determining~~ configured to determine the presence/absence of slippage between the rope and the pulley by comparing the speed of the car obtained by the first speed detecting portion and the speed of the car obtained by the second speed detecting portion with each other.

Claim 2 (Currently Amended): An elevator rope slippage detecting device according to Claim 1, ~~characterized in that~~ wherein the car speed sensor ~~is~~ includes a Doppler sensor provided to the car, ~~for obtaining~~ and configured to obtain the speed of the car by measuring a difference between a frequency of an oscillating wave irradiated toward a reflecting surface provided in the hoistway and a frequency of a reflected wave of the oscillating wave as reflected by the reflecting surface.

Claim 3 (Currently Amended): An elevator rope slippage detecting device according to Claim 2, ~~characterized in that~~ wherein the reflecting surface is provided by a side of the car and extends along a travel direction of the car.

Claims 4 and 5 (Canceled).

Claim 6 (Currently Amended): An elevator apparatus ~~characterized by comprising:~~
a car that travels in a hoistway;
a rope that moves in accordance with movement of the car;
a pulley around which the rope is wound, the pulley being rotated through the movement of the rope;

a pulley sensor ~~for generating~~ configured to generate a signal in accordance with rotation of the pulley;

a car speed sensor ~~for directly detecting~~ configured to directly detect a speed of the car based on a frequency of an oscillating wave received from a reflecting surface on a side wall surface of the hoistway;

a processing device ~~for detecting~~ configured to detect absence/presence of slippage between the rope and the pulley by obtaining a speed of the car based on information from the pulley sensor and a speed of the car based on information from the car speed sensor and ~~comparing~~ to compare the speeds of the car with each other; and

a control device ~~for controlling~~ configured to control operation of an elevator based on information from the processing device.

Claim 7 (New): An elevator rope slippage detecting device for detecting presence/absence of slippage between a rope that moves together with a car traveling in a hoistway, and a pulley around which the rope is wound and which is rotated through movement of the rope, comprising:

a pulley sensor configured to generate a signal in accordance with rotation of the pulley;

a car speed sensor mounted at an end of the hoistway and configured to directly detect a speed of the car based on a frequency of an oscillating wave received from a reflecting surface on the car; and

a processing device including a first speed detecting portion configured to obtain a speed of the car based on information from the pulley sensor, a second car speed detecting portion configured to obtain a speed of the car based on information from the car speed sensor, and a determination portion configured to determine the presence/absence of slippage between the rope and the pulley by comparing the speed of the car obtained by the first speed detecting portion with the speed of the car obtained by the second speed detecting portion.